

POWER.

Proof of Appropriation of Water.

State of Utah, }
County of Utah } ss.

I, Thomas Boardman, President P.P.B. Co. being first duly sworn, do hereby certify that I am the person, assignee or the President of The Provo Pressed Brick Co. who or which made an application to appropriate water from The Provo River Utah Lake-Jordan in Provo river system or drainage area in Utah County for power purposes; that said application is filed in the State Engineer's Office as No. 1221; that I have completed the work necessary to accomplish the diversion and perfect the appropriation of water in accordance with the said application; that the following statement of facts is submitted in proof of the completion of said work and the appropriation of said water; that I made the said statement and that each and all of the items contained therein are true.

In Witness Whereof, I have hereunto set my hand this 4th day of January 1901

Thomas Boardman

Signature of Appropriator.

Subscribed and sworn to before me this 4th day of January 1901

SEAL
My Com. Expires
April 22, 1913.

Hyrum F. Thomas

Notary Public.

STATEMENT.

1. Name of appropriator is Provo Pressed Brick Company
2. Post-office address of appropriator is P.O. Box 195, Provo Utah County, State of Utah.
3. The river system or drainage area to which the direct source of supply belongs is U.L. J.R.
4. The direct source of supply is from Utah Lake on Provo River in the above named river system (drainage area).
5. The "point of diversion" of water or "point of issuance" of spring is situated at a point 3021.5 ft. N. 40° 5' W. 45.78 chains from the S.E. corner of Sec. 25 in Township 6 S. Range 2 E., Salt Lake Base.
6. The diverting works consist of Three 4 foot Head Gates diverting channel 5930 feet by 16 feet at top & 12 at bottom, 2 feet deep.
7. Name of canal, ditch, pipe line, conduit, or other diverting channel (if named) is
8. The cross-section of the diverting channel will be M or Ø
(Strike out ones not needed.)
9. The nature of the diverting channel is earth, wooden, iron, concrete.
(Strike out ones not needed.)
10. The length of the diverting channel is 5930 0038.0 feet
11. The top width of the diverting channel is (if a ditch) 16 --- 30 feet
12. The bottom width of the diverting channel is (if a ditch) 12 --- 14 feet
13. The effective depth of the diverting channel is (if a ditch) about 2 feet
14. The width of the diverting channel is (if a flume) feet
15. The effective depth of the diverting channel is (if a flume) feet
16. The diameter of the diverting channel is (if a pipe) feet

*Leave blank.

- 16a. The water is to be used each year from Jan. 1st to Dec. 31st inclusive
17. The grade of the diverting channel is 29-36.43 to level ----- feet per mile
18. Construction of works was commenced March 1st 1907
19. Construction of works was completed December 31st 1907
20. Works was first used to divert and carry water January 30th 1908
- *21. The flow of water appropriated is one hundred cubic feet per second
- *22. The quantity of water appropriated is ----- acre feet
23. The method employed in measuring the water was by Meter System and wheel consumption.
24. The number of wheels employed in the development of power is Two
25. The size of the wheel is #23 Samson -- 23 inches.
26. The make of the wheel is Samson Turbine (made by Leffell)
27. The head under which the wheels operate is Fifteen-sixteen feet.
28. The total horsepower developed is ~~about~~ 136.6 horse
29. The places where the power is used are The Provo Pressed Brick Co. works,
(2 miles North of Provo along the Heber Branch of D. & R. G. R.R. Co. track).
30. The purposes for which the power is used are To propel machinery & lights for manufacturing purposes and Electric lighting for the plant.
31. The point where the water is returned to the natural stream is situated at a point N. 61° 23' 51" E.
22.53-ahs.-from-center-of-sec. 36-in-T. 6 S., R. 2 E., S. 1 B. & M. S. 43° 49' W. 3052.2 ft.
from the N.E. Cor. Sec. 36, in T. 6 S., R. 2 E., S. 1 B. & M.

NOTE.—The "point of diversion" or the "point of issuance" of spring and the "point of return" must be located by course and distance or by rectangular distances with reference to some United States land corner or United States mineral monument, if within a distance of six miles of either, or if a greater distance to some prominent and permanent natural object.

GENERAL REMARKS.

Date Mar. 29, 1912, 4:10 p.m. Provo Pressed Brick Co's. Canal.

Party Mosher F. Pack Locality 60 ft. above penstock in flume.

Meter No. 217 W. & L. M. Gurley Depth 2.8 ft.

Total area -- 30.1 Mean Velocity 3.54 Discharge 106.582 Cu.ft. per Sec.

Sta. 0ph. Time Rev. Vel./Sec. Areas Vols.

on Right bank.

00	2.8					
		50	67	3.15	5.6	17.640
2	2.8					
		50	79	3.71	5.6	20.776
4	2.8					
		50	78	3.66	5.6	20.496
6	2.8					
		50	75	3.52	5.6	19.712
8	2.8					
		50	77	3.62	5.6	20.272
10	2.8					
		50	78	3.66	2.1	7.686
10.752.8						

106.582 Cu.ft. Per Sec.

From Leffell's Pamphlet V. page 10 the 23 Samson wheel under a 16 ft. head consumes 2792 cu.ft. per minute, or 93.06 cu.ft. per sec. for the two wheels, developing 136.6 horse power.

There was a small amount of water in the overflow near the penstock which was not going through the wheels.

Mosher F. Pack

- 16a. The water is to be used each year from Jan. 1st to Dec. 31st, inclusive
17. The grade of the diverting channel is 29- 30.43 to level ----- feet per mile
18. Construction of works was commenced March 1st 1907
19. Construction of works was completed December 31st 1907
20. Works was first used to

tion.

ft.

The measuring of the water was done by Hiram F. Thomas. The Width, Depth & Cross Section and Volicity were measured at various points to ascertain the volum. of water. N.E. Cor. Sec. 30 is identical with the S.E. Cor. Sec. 25.

The water after passing the wheels (23" Sampson) is divided at a point which bears S. 28° 31' W. 2155.8 ft. from the N.E. corner of Section 36 in T. 6 S., R. 2 E. S. L. B. & M. and the "Factory Water" is delivered to its channel; the remainder is again divided, at a point S. 39° 16' W. 2864.8 ft. from the above described section corner, into two parts, the City race receiving its water at this point and the remainder or "Tanner Race Water" being returned to the natural channel at a point S. 43° 49' W. 3052.2 ft. from the above designated section corner.

*See Rules and Regulations on the back hereof.

State of Utah, }
County of Utah } ss.

Thomas J. Farrer and Joseph W. Carter having both been duly sworn, each for himself says that he is personally acquainted with the works constructed by Provo Pressed Brick Company for the diversion and appropriation of water from Provo River in Utah Lake-Jordan river system or drainage area in Utah county for power purposes; that said works have been fully completed and used to the extent and in the manner particularly set forth in the foregoing statement of facts; that he has read said statement and that each and all of the items therein contained are true.

In Witness Whereof, each has hereunto set his hand this 6th day of January 1901

Thomas J. Farrer
Signature of Witness.

Joseph W. Carter
Signature of Witness.

Subscribed and sworn to before me this 6th day of January 1901

[SEAL] My commission expires Hyrum F. Thomas
Apr. 22, 1913. Notary Public.

State Engineer's Endorsements.

Dates

Feb. 28, 1907 Application received at State Engineer's office.
Jan. 29, 1908 Application approved and July 29, 1909 allowed for completing works
Time for completing works extended to Jan. 29, 1911 190
Jan. 7, 1911 Proof of appropriation received at State Engineer's office.
Mar. 10, 1912 Proof of appropriation examined and
Mar. 10, 1912 Proof of appropriation returned for correction by mail
Apr. 10, 1912 Corrected proof of appropriation received by mail
Jan. 21, 1913 Corrected proof of appropriation examined and filed
Jan. 7, 1911 Maps, profiles and drawings received at State Engineer's office.
Mar. 10, 1912 Maps, profiles and drawings examined and
Mar. 10, 1912 Maps, profiles and drawings returned for correction by mail
Apr. 10, 1912 Corrected maps, profiles and drawings received by mail
Jan. 21, 1913 Corrected maps, profiles and drawings examined and filed
Feb. 19, 1912 Certificate of appropriation issued (No.)

State Engineer's Memoranda.

Jan. 7, 1911 Fee for examining and filing proof of appropriation received \$1.00.
Jan. 7, 1911 Fee for examining and filing maps, profiles and drawings received \$5.00.
Jan. 7, 1911 Fee for issuing certificate of appropriation received \$1.00.

I hereby certify that the foregoing is a true and correct copy of the proof of appropriation re Application File 1221 as it appears of record in my office.



City, Utah.

G. F. McLaughlin
State Engineer
J. H. Smith
Assistant State Engineer

Proof of Appropriation

OF

PERMO EXPOSED BRICK CO.

RELATIVE TO

APPLICATION NO. 1221

TO

APPROPRIATE WATER

FROM

PROVO RIVER

FOR

POWER PURPOSES.

Filed in State Engineer's
Office January 7, 1911.

Rules and Regulations.

Section 44, Chapter 108, Session Laws of Utah, 1905, requires that maps, profiles, and drawings shall accompany the written proof of appropriation. They must be made in accordance with the rules and regulations published in pamphlet form by the State Engineer's office.

No proof of appropriation will be marked "received" until the fees have been paid and the maps, profiles, and drawings submitted.

Erasures must not be made on proofs of appropriation returned for correction, but any matter may be removed by running a red line through it, or the proof of appropriation made on another blank.

Proofs of appropriation returned for correction must be resubmitted within twenty days of the date of return endorsed hereon.

The engineer who prepares the maps, etc., should be one of the disinterested witnesses to inspect the work and make a sworn statement relative to the accuracy of the proof of the appropriation.

At least one measurement of the actual flow or quantity of water appropriated should be given in No. 21 or No. 22.

It is desirable that a series of such measurements be made and the results given under "General Remarks." The method of measurement should be given as by float, meter, weir, etc.

List of Fees Required by Law for State Treasury.

For examining and filing proof of appropriation	\$1.00
For examining and filing maps, profile and drawings	5.00
For issuing certificate of appropriation	1.00